

## MULTISCALE MECHANICS AND MATERIALS MODELING

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### ABSTRACT

This mini-symposium is organized to provide a forum for researchers who wish to share their new developments in the field of multiscale mechanics and materials modelling. The focus of the symposium includes but not limited to multiscale modeling approach and multiscale based material design technique, providing an exposition of the state-of-the-art on model-based simulation of diverse responses of nano to micro systems. Multiscale modeling is recognized as a useful tool to study deformation and failure of materials from nanoscale, microscale to mesoscale.

We welcome contributions in modeling and simulations of nano to micro materials and structures and their applications, including composite materials, energy materials, amorphous and ceramic materials, metallic materials, multifunctional materials, polymeric materials, smart materials, nanotwinned materials, nanocrystalline materials, nanolattices, high-entropy alloys and low-dimensional materials.

### REFERENCES

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